

AMENDMENTS TO THE SPECIFICATION:

Summary of the Invention: On page 4, please change the Summary of the Invention as follows:

SUMMARY OF THE INVENTION

The present invention recognizes the disadvantages of the prior art and provides a method for mutual authorization of a secondary resource in a grid of resource computers. Grid security often uses certificates and proxy certificates to identify users. When a primary resource machine attempts to offload a grid computing job to a secondary resource, the primary resource machine sends a proxy certificate request to the user machine. Responsive to a proxy certificate request, the user machine performs an authorization job on the secondary resource machine. If the authorization with the secondary resource machine is successful, the user machine generates and returns a valid proxy certificate. The primary resource machine then performs mutual authentication with the secondary resource machine using the proxy certificate. However, if the authorization with the secondary resource machine is not successful, the user machine generates and returns an invalid proxy certificate. The primary resource then performs mutual authentication with the secondary resource machine; however, the authentication will fail due to the invalid proxy certificate. The primary resource will then select another secondary resource and repeat the process until a resource is found that passes the mutual authorization with the user machine.